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Please replace the paragraph appearing on page 10, lines 7-8 (brief description of Figure 11) with the following:

-- Figure 11 is a Western blot showing CKI2, CDC2aAt and Rubisco protein levels and CDK kinase activity. Total soluble protein was extracted from leaves of one wild-type Col-O line (lane 1) and four independent CKI2 transgenic lines (lanes 2 through 5). Protein samples were analyzed by Western blotting for the visualization of CKI2 protein and CDC2aAt protein. Rubisco was used as a marker for equal protein loading. CDK kinase activity was measured using p10^{Cks1At} Sepharose beads and Histone H1 as substrate. --

Please replace the paragraph appearing on page 102, lines 25-29 (penultimate paragraph) with the following:

-- The level of ICK2 mRNA and protein in the transgenic plants exceeded the amount found in untransformed plants as shown in Figure 11 for the ICK2 (CKI2) protein. Concurrently the amount of Cdc2a protein is increased and the presence of ICK2 protein correlated with a moderate decrease in extractable CDK activity (Figure 11). --

Please delete the final two lines (final paragraph) of page 104.

Please replace the final two lines (final paragraph) of page 108 with the following:

-- CKI2 expressing plants produce smaller seeds than wild type plants. The shape of the seed is also affected. See e.g., Figures 9A and 9B. --

IN THE CLAIMS:

Please cancel Claims 1, 3-4, 6, 26, 32-35 and 58-59 without prejudice.

Please substitute the following amended Claims 2, 5, 7, 11, 12, 14, 15, 17, 18, 19, 21, 25, 27, 28, 29, 30, 31, 36, 46, and 48-57 for the presently pending Claims 2, 5, 7, 11, 12, 14, 15, 17, 18, 19, 21, 25, 27, 28, 29, 30, 31, 36, 46, and 48-57.